

## L-threonylcarbamoyladenylate synthase

Cat. No. EXWM-3300

Lot. No. (See product label)

### Introduction

#### Description

The enzyme is involved in the synthesis of N6-threonylcarbamoyladenosine<sup>37</sup> in tRNAs, with the anticodon NNU, i.e. tRNA<sup>Ile</sup>, tRNA<sup>Thr</sup>, tRNA<sup>Asn</sup>, tRNA<sup>Lys</sup>, tRNA<sup>Ser</sup> and tRNA<sup>Arg</sup>.

#### Synonyms

yrdC (gene name); Sua5; ywIC (gene name); ATP:L-threonyl,bicarbonate adenylyltransferase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.7.7.87

#### Reaction

L-threonine + ATP + HCO<sub>3</sub><sup>-</sup> = L-threonylcarbamoyladenylate + diphosphate + H<sub>2</sub>O

#### Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### Storage and Shipping Information

#### Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.